PICTURE CODER AND DECODER AND CODING TABLE INFORMATION STORAGE DEVICE

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Inventor: AKAOGI KAZUNARI
Applicant: KAWASAKI STEEL CO
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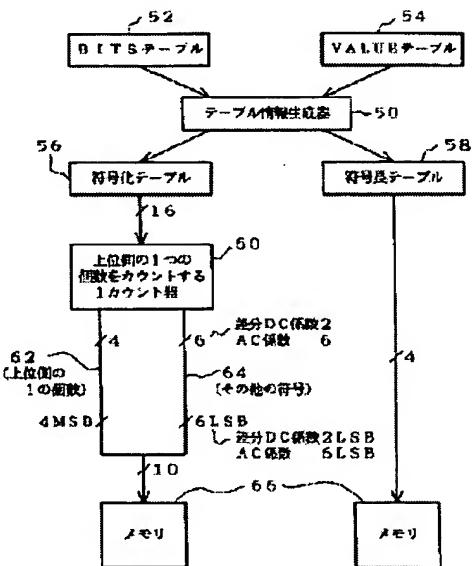**- european:**
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Abstract of JP7170515

PURPOSE:To reduce a memory capacity of a coding table by counting number of 1s at a high order in code words with a different length on the coding table and storing number of 1s and other code while other code corresponds to a low-order code. CONSTITUTION:A table information generator 50 extracts information from BITS, VALUE tables 52, 54 to generate coding code length tables 56, 58. The table 58 represents an effective length of a code word corresponding to the address, the table 56 allocates a short/long code to an address whose frequency of appearance is high/low to reduce the information quantity of the entire picture data. A 1-counter 60 counts number of 1s of high order side of the entire code, changes number of 1s 62 at high-order side into other code 64 in its expression and it is stored in a memory 66 with the table 58. Thus, the number 62 and the code 64 are used to attain processing in 4+2 bits, the memory capacity is saved by 1/3 or over because of 6 bits for a differential DC coefficient and 10 bits for an AC coefficient.